

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	20	((laparoscopic with port) with seal)	USPAT	OR	OFF	2007/12/09 16:06
S2	7	((("5209737") or ("5308336") or ("5385553") or ("5545142") or ("5603702") or ("5407433") or ("5411483") or ("5411483")).PN.	USPAT; USOCR	OR	OFF	2007/12/09 16:13
S3	1	("5820600").PN.	USPAT; USOCR	OR	OFF	2007/12/09 16:15
S4	303	(604/23).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:22
S5	150	(604/24).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:24
S6	46	(604/25).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:24
S7	318	(604/26).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:28
S8	80	(604/108).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:30
S9	431	(604/164.01).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:30
S10	122	("3421509"   "3565078"   "3853127"   "3907310"   "3994287"   "4000739"   "4112932"   "4173350"   "4177814"   "4177997"   "4202554"   "4240335"   "4240411"   "4311315"   "4334688"   "4338689"   "4386756"   "4387879"   "4430081"   "4447237"   "4464178"   "4553760"   "4588195"   "4595207"   "4601710"   "4626245"   "4641842"   "4654030"   "4655752"   "4673393"   "4705511"   "4715360"   "4723550"   "4758225"   "4779904"   "4842591"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/09 16:31

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		"4929235"   "4932633"				
		"4943280"   "4960412"				
		"4966588"   "4971336"				
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		"5029875"   "5038756"				
		"5041095"   "5053014"				
		"5053016"   "5073169"				
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		"5137520"   "5167636"				
		"5180373"   "5197955"				
		"5201530"   "5201714"				
		"5209736"   "5209737"				
		"5221264"   "5226891"				
		"5242412"   "5290304"				
		"5299813"   "5300036"				
		"5308336"   "5316318"				
		"5320611"   "5342315"				
		"5354280"   "5380288"				
		"5385553"   "5391153"				
		"5395342"   "5400586"				
		"5407433"   "5411483"				
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		"5443452"   "5474305"				
		"5480165"   "5485553"				
		"5496280"   "5545142"				
		"5554124"   "5568931"				
		"5584850"   "5603702"				
		"5628732"   "5634908"				
		"5643227"   "5643301"				
		"5709664"   "5743884"				
		"5752938"   "5782812"				
		"5782817"   "5792113"				
		"5827228"   "5857999"				
		"5868714"   "5944320"				
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		"6042119"   "6210064"				
		"6228061"   "6276661"				
		"RE36702").PN.				
S11	2	("6923783").URPN.	USPAT	OR	OFF	2007/12/09 16:33

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S13	7	("6702787").URPN.	USPAT	OR	OFF	2007/12/09 16:39

S14	125	(604/167.01).CQLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:41
S15	117	(604/167.02).CQLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:43
S16	164	(604/167.03).CQLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:43
S17	8	("2844351"   "3185179"   "4314555"   "4540411"   "4580573"   "4978341"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/09 16:45
S18	69	("5158553").URPN.	USPAT	OR	OFF	2007/12/09 16:47
S19	115	(604/167.04).CQLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:48
S20	29	(604/167.05).CQLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:49
S21	69	(604/167.06).CQLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:50
S22	724	(604/256).CQLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:54
S23	1	("5820600").PN.	USPAT; USOCR	OR	OFF	2007/12/09 17:35
S24	2	((("5603702") or ("3920215")).PN.	USPAT; USOCR	OR	OFF	2007/12/09 17:35
S25	57	((("6174309") or ("20020072713") or ("20040215209") or ("5285955") or ("6635072") or ("4509518") or ("4624254") or ("4938353") or ("5352223") or ("5366477") or ("5382254") or ("5395369") or ("5549606") or ("5590570") or ("5637108") or ("5695522") or ("5720756") or ("5725537") or ("5727428") or ("5891159") or ("5913874") or ("5964774") or ("6044628") or ("6099551") or ("6228083") or ("6451018") or	USPAT; USOCR	OR	OFF	2008/08/30 21:55

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("20030018331") or  
("20030040745") or  
("20030069571") or  
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		(("20040073205") or ("20040082952") or ("20040087943") or ("20040116924") or ("20040122423") or ("20040162557") or ("20040243125") or ("20040249371") or ("20040249374") or ("20050021027") or ("20050119655") or ("20050137592") or ("20050171535") or ("20050192568") or ("20050197659") or ("20050240179") or ("20050267464") or ("20060052777") or ("20060069388") or ("20060079890")),FN.				
S26	100	((("3795085") or ("3910014") or ("4469983") or ("4723092") or ("5477709") or ("5501394") or ("5518578") or ("5592802") or ("6006503") or ("6041579") or ("6152188") or ("6516589") or ("6632306") or ("6656310") or ("6719303") or ("6732496") or ("6736545") or ("6810644") or ("6843244") or ("6877295") or ("6925780") or ("7000366") or ("7344671") or ("20030034026") or ("20050109452") or ("20060185241") or ("20070093851") or ("20080000591") or ("3579958") or ("3583125") or ("3583126") or ("3599387") or ("3616087") or ("3636861") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/30 21:59

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("3975030") or  
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		("4442656") or ("4474216") or ("4517787") or ("4537012") or ("4537016") or ("4560351") or ("4570791") or ("4600036") or ("4601159") or ("4604854") or ("4613320") or ("4619102")).PN.				
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S28	100	((("6174309") or ("20020072713") or ("20040215209") or ("5285955") or ("6635072") or ("4509518") or ("4624254") or ("4938353") or ("5352223") or ("5366477") or ("5382254") or ("5395369") or ("5549606") or ("5590570") or ("5637108") or ("5695522") or ("5720756") or ("5725537") or ("5727428") or ("5891159") or ("5913874") or ("5964774") or ("6044628") or ("6099551") or ("6228083") or ("6451018") or ("6458130") or ("6473512") or ("6500176") or ("6533784") or ("6585735") or ("6626901") or ("6656177") or ("6682528") or ("6770072") or ("6802843") or ("6860880") or ("6905497") or ("6908463") or ("6913579") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/30 22:15



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("7186253") or  
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("20020169392") or  
("20020177848") or  
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		("20050197659") or ("20050240179") or ("20050267464") or ("20060052777") or ("20060069388") or ("20060079890").PN.				
S29	43	((("6174309") or ("20020072713") or ("20040215209") or ("5285955") or ("6635072") or ("4509518") or ("4624254") or ("4938353") or ("5352223") or ("5366477") or ("5382254") or ("5395369") or ("5549606") or ("5590570") or ("5637108") or ("5695522") or ("5720756") or ("5725537") or ("5727428") or ("5891159") or ("5913874") or ("5964774") or ("6044628") or ("6099551") or ("6228083") or ("6451018") or ("6458130") or ("6473512") or ("6500176") or ("6533784") or ("6585735") or ("6626901") or ("6656177") or ("6682528") or ("6770072") or ("6802843") or ("6860880") or ("6905497") or ("6908463") or ("6913579") or ("6926716") or ("6929644") or ("7011657") or ("7083613") or ("7083618") or ("7090673") or ("7101372") or ("7101373") or	US-PGPUB	OR	OFF	2008/08/30 22:15

		("7118587") or ("7131970") or ("7131971") or ("7186253") or ("7195631") or ("7211079") or ("7211080") or ("7255697") or ("7267677") or ("7329256") or ("7354440") or ("20020115997") or ("20020120266") or ("20020169392") or ("20020177848") or ("20020188294") or ("20030014052") or ("20030014053") or ("20030018331") or ("20030040745") or ("20030069571") or ("20030069579") or ("20030078577") or ("20030114851") or ("20030129382") or ("20030144652") or ("20030181910") or ("20030195498") or ("20030199869") or ("20030199870") or ("20030212444") or ("20030229344") or ("20040073205") or ("20040082952") or ("20040087943") or ("20040116924") or ("20040122423") or ("20040162557") or ("20040243125") or ("20040249371") or ("20040249374") or ("20050021027") or ("20050119655") or ("20050137592") or ("20050171535") or ("20050192568") or ("20050197659") or ("20050240179") or ("20050267464") or ("20060052777") or ("20060069388") or ("20060079890")).PN.				
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S31	76	("2797837"   "3197173"   "3473779"   "3875938"   "3970089"   "3977400"   "4000739"   "4177814"   "4233982"   "4240411"   "4243034"   "4338934"   "4379458"   "4424833"   "4430081"   "4512766"   "4531937"   "4535773"   "4569502"   "4580573"   "4609300"   "4610665"   "4610674"   "4611785"   "4626245"   "4629450"   "4634432"   "4654030"   "4655752"   "4673393"   "4683916"   "4759751"   "4798594"   "4813938"   "4842591"   "4857062"   "4874377"   "4895346"   "4909798"   "4917668"   "4929235"   "4935010"   "4960259"   "4960412"   "4966588"   "4978341"   "5000745"   "5006114"   "5009391"   "5053014"   "5092857"   "5098393"   "5112321"   "5127626"   "5156596"   "5161773"   "5167636"   "5180373"   "5197955"   "5205831"   "5209737"   "5211634"   "5242412"   "5256150"   "5300033"   "5312362"   "5312363"   "5342315"   "5350364"   "5385553"   "5460616"   "5492304"   "5496280").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/30 22:19
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		"5628732"   "5634908"   "5693031"   "5709664"   "5752938"   "5782812"   "5792113"   "5803919"   "5827228"   "5871471"   "5895377"   "6083203"   "6093176").PN.				
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S36	31	("3685786"   "4177814"   "4211214"   "4538594"   "4649904"   "4809679"   "4874364"   "4920953"   "5048508"   "5127626"   "5167636"   "5209219"   "5209737"   "5211633"   "5221264"   "5304143"   "5308336"   "5334164"   "5338313"   "5354280"   "5385552"   "5385553"   "5389081"   "5391153"   "5397335"   "5407433"   "5411483"   "5431676"   "5512053"   "5607397"   "5657963").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:34
S37	29	("3994287"   "4000739"   "4112932"   "4177814"   "4601710"   "4626245"   "4654030"   "4673393"   "4705511"   "4869717"   "4874378"   "4909798"   "4929235"   "4932633"   "4943280"   "4960412"   "5000745"   "5002557"   "5041095"   "5053016"   "5073169"   "5104383"   "5137520"   "5180373"   "5197955"   "5209736"   "5209737"   "5226891"   "5242412").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:42
S38	87	("5197955").URPN.	USPAT	OR	OFF	2009/03/10 13:44
S39	59	S38 and rotat\$4	USPAT	OR	OFF	2009/03/10 13:44

S40	20	("5104383"   "5197955"   "5209737"   "5308336"   "5385553"   "5407433"   "5411483"   "5476475"   "5531758"   "5545142"   "5554124"   "5569205"   "5603702"   "5628732"   "5634908"   "5792113"   "5820600"   "5827228"   "6228061"   "6923783"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:46
S41	10	S40 and rotat\$4	USPAT	OR	OFF	2009/03/10 13:46
S42	5	("4177814"   "5127626"   "5158553"   "5256150"   "5350364").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:48
S43	24	("0729423"   "3086797"   "3197173"   "3438607"   "3920215"   "3977400"   "4149535"   "4231400"   "4243034"   "4324239"   "4378013"   "4473369"   "4496348"   "4634421"   "4723550"   "4786028"   "4839471"   "4960259"   "4978341"   "5009643"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:51
S44	94	("5127626").URPN.	USPAT	OR	OFF	2009/03/10 14:01
S45	73	("0729423"   "2797837"   "3086797"   "3197173"   "3438607"   "3766916"   "3788318"   "3811440"   "3856010"   "3875938"   "3920215"   "3970089"   "3977400"   "3994287"   "4000739"   "4149535"   "4177814"   "4202527"   "4231400"   "4240411"   "4243034"   "4324239"   "4378013"   "4424833"   "4430081"   "4436519"   "4473369"   "4475548"   "4496348"   "4580573"   "4610665"   "4610674"   "4626245"   "4634421"   "4654030"   "4655752"   "4673393"   "4723550"   "4786028"   "4798594"   "4817631"   "4839471"   "4842591"   "4869717"   "4874377"   "4884091"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 14:24

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S46	21	S45 and rotat\$4	USPAT	OR	OFF	2009/03/10 14:24
S47	26	("5389081").URPN.	USPAT	OR	OFF	2009/03/10 14:29
S48	16	S47 and rotat\$4	USPAT	OR	OFF	2009/03/10 14:29
S49	12	("5554124").URPN.	USPAT	OR	OFF	2009/03/10 14:32
S50	21	S46 and rotat\$4	USPAT	OR	OFF	2009/03/10 14:32
S51	9	S49 and rotat\$4	USPAT	OR	OFF	2009/03/10 14:32
S52	1	("4112932").PN.	USPAT; USOCR	OR	OFF	2009/03/10 14:33
S53	87	("0729423"   "2797837"   "3086797"   "3197173"   "3438607"   "3766916"   "3811440"   "3856010"   "3875938"   "3920215"   "3970089"   "3977400"   "3994287"   "4000739"   "4149535"   "4177814"   "4231400"   "4240411"   "4243034"   "4324239"   "4338933"   "4378013"   "4424833"   "4430081"   "4436519"   "4473369"   "4475548"   "4496348"   "4580573"   "4610665"   "4610674"   "4626245"   "4634421"   "4654030"   "4655752"   "4673393"   "4699356"   "4715360"   "4723550"   "4758225"   "4786028"   "4798594"   "4817631"   "4839471"   "4842591"   "4857062"   "4869717"   "4895346"   "4895565"   "4909798"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:00

		"4917668"   "4929235"   "4960259"   "4960412"   "4966588"   "4978341"   "5000745"   "5009391"   "5009643"   "5041095"   "5053014"   "5053016"   "5064416"   "5069424"   "5104383"   "5104389"   "5127626"   "5127909"   "5167636"   "5180373"   "5195980"   "5197955"   "5209737"   "5226891"   "5269771"   "5308336"   "5342315"   "5385553"   "5411483"   "5423848"   "5476475"   "5492304"). PN.				
S64	28	S53 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:00
S65	13	("3595239"   "3964487"   "4550727"   "4580562"   "4682981"   "4788977"   "4793345"   "4807620"   "4986814"   "5053016"   "5066288"   "5104383"   "5221281").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:02
S66	3	S55 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:03
S67	22	("5423848").URPN.	USPAT	OR	OFF	2009/03/10 16:03
S68	15	S57 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:03
S69	7	("2797837"   "3459183"   "3766916"   "3811440"   "3853127").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:13
S60	77	("3977400").URPN.	USPAT	OR	OFF	2009/03/10 16:13
S61	53	S60 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:14
S62	21	("5657963").URPN.	USPAT	OR	OFF	2009/03/10 16:19
S63	8	S62 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:19



S64	20	("3853127"   "3994287"   "4240411"   "4430081"   "4673393"   "4715360"   "4723550"   "4758225"   "4842591"   "4857062"   "4909798"   "4917668"   "4929235"   "4960412"   "4966588"   "5104383"   "5127626"   "5180373"   "5197955"   "5209737"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:30
S65	5	S64 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:31
S66	63	("5385553").URPN.	USPAT	OR	OFF	2009/03/10 16:31
S67	53	("20020007153"   "20020010425"   "20040049173"   "20040064100"   "20040147949"   "20040230161"   "3504699"   "3773233"   "4436519"   "4601710"   "4610665"   "4654030"   "4902280"   "4931042"   "4932633"   "5030206"   "5053013"   "5104383"   "5203773"   "5209737"   "5211634"   "5246425"   "5300033"   "5308336"   "5324270"   "5330437"   "5342315"   "5364372"   "5366445"   "5385552"   "5385553"   "5441041"   "5456284"   "5467762"   "5534009"   "5542931"   "5569160"   "5578016"   "5584850"   "5603702"   "5643301"   "5807338"   "5895377"   "6024729"   "6086603"   "6277100"   "6302852"   "6352520"   "6569120"   "6613063"   "6685630"   "6702787"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:37
S68	19	S67 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:43
S69	33	S66 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:57

S70	57	(("2416391"   "2569850"   "3086797"   "3197173"   "3329390"   "3875938"   "3989049"   "3994287"   "4000739"   "4177814"   "4233982"   "4240411"   "4338934"   "4379458"   "4424833"   "4430081"   "4512766"   "4531937"   "4535773"   "4540411"   "4580573"   "4601710"   "4610665"   "4610674"   "4611785"   "4626245"   "4629450"   "4634432"   "4654030"   "4655752"   "4673393"   "4705511"   "4798594"   "4804375"   "4813938"   "4842591"   "4857062"   "4874377"   "4895346"   "4909798"   "4917668"   "4929235"   "4935010"   "4960412"   "4966588"   "4978341"   "5000745"   "5006114"   "5009391"   "5158553"   "5197955"   "5203774"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:18
S71	100	((("6174309") or ("20020072713") or ("20040215209") or ("5285955") or ("6635072") or ("4509518") or ("4624254") or ("4938353") or ("5352223") or ("5366477") or ("5382254") or ("5395369") or ("5549606") or ("5590570") or ("5637108") or ("5695522") or ("5720756") or ("5725537") or ("5727428") or ("5891159") or ("5913874") or ("5964774") or ("6044628") or ("6099551") or ("6228083") or ("6451018") or ("6458130") or	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:33

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 ("6585735") or  
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 ("6770072") or  
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 ("6926716") or  
 ("6929644") or  
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		(("20030199869") or ("20030199870") or ("20030212444") or ("20030229344") or ("20040073205") or ("20040082952") or ("20040087943") or ("20040116924") or ("20040122423") or ("20040162557") or ("20040243125") or ("20040249371") or ("20040249374") or ("20050021027") or ("20050119655") or ("20050137592") or ("20050171535") or ("20050192568") or ("20050197659")).PN.				
S72	2	(("2002/0072713").URPN.	USPAT	OR	OFF	2009/03/10 17:34
S73	100	((("3795085") or ("3910014") or ("4469983") or ("4723092") or ("5477709") or ("5501394") or ("5518578") or ("5592802") or ("6006503") or ("6041579") or ("6152188") or ("6516589") or ("6632306") or ("6656310") or ("6719303") or ("6732496") or ("6736545") or ("6810644") or ("6843244") or ("6877295") or ("6925780") or ("7000366") or ("7344671") or ("20030034026") or ("20050109452") or ("20060185241") or ("20070093851") or ("20080000591") or ("3579958") or ("3583125") or ("3583126") or ("3599387") or ("3616087") or	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:36

("3636861") or  
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("3651557") or  
("3668815") or  
("3672295") or  
("3687059") or  
("3698310") or  
("3698419") or  
("3719021") or  
("3763622") or  
("3777451") or  
("3796504") or  
("3798737") or  
("3849965") or  
("3878904") or  
("3879102") or  
("3892060") or  
("3911970") or  
("3925139") or  
("3926446") or  
("3967838") or  
("3975030") or  
("3983682") or  
("4000708") or  
("4018029") or  
("4019725") or  
("4035983") or  
("4044528") or  
("4062101") or  
("4079662") or  
("4102111") or  
("4104849") or  
("4136505") or  
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("4185340") or  
("4189519") or  
("4213284") or  
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("4305606") or  
("4307318") or  
("4319906") or  
("4353196") or  
("4385643") or  
("4387547") or  
("4413783") or  
("4423583") or  
("4426758") or

		("4434853") or ("4442656") or ("4474216") or ("4517787") or ("4537012") or ("4537016") or ("4560351") or ("4570791") or ("4600036") or ("4601159") or ("4604854") or ("4613320") or ("4619102")).PN.				
S74	6	("3920215"   "4513948"   "5033519"   "5389081"   "5603702"   "5820600"). PN.	USPAT	OR	OFF	2009/03/10 17:37
S75	7	("5033519").URPN.	USPAT	OR	OFF	2009/03/10 17:38
S76	70	("0979819"   "1219222"   "1246033"   "1262443"   "1268947"   "1289490"   "1312531"   "1313386"   "1360869"   "1462253"   "1463129"   "1689066"   "1859009"   "1892455"   "1978314"   "2199085"   "2299360"   "2340936"   "2499409"   "2685891"   "2705372"   "2811179"   "2918931"   "2918932"   "3189039"   "3347263"   "3438316"   "3495635"   "3563263"   "3610273"   "3661175"   "3787022"   "3791407"   "3794077"   "3895402"   "4175296"   "4266582"   "4396034"   "4407325"   "4469116"   "4630655"   "4703874"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:39
S77	767	(251/212).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:56
S78	1111	(251/251).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 12:33
S79	483	(251/257).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 12:34

S80	1113	(137/614.11).CQLS.	USPAT; USOCR	OR	OFF	2009/03/13 12:54
S81	353	(277/348).CQLS.	USPAT; USOCR	OR	OFF	2009/03/13 13:10
S82	4975	seal with (rotat\$4 with opening)	US-PGPUB; USPAT	OR	OFF	2009/03/13 13:22
S83	194	(277/908).CQLS.	USPAT; USOCR	OR	OFF	2009/03/13 13:25
S84	222	(277/504).CQLS.	USPAT; USOCR	OR	OFF	2009/03/13 13:30
S85	829	seal with (rotat\$4 with expand\$4)	US-PGPUB; USPAT	OR	OFF	2009/03/13 13:40
S86	58	S85 and ((aperture or opening) with (radially with expand\$4))	US-PGPUB; USPAT	OR	ON	2009/03/13 13:40
S87	15	("2663467"   "3188070"   "3366363"   "3371906"   "3383131"   "4030629"   "4092010"   "4412669"   "4523737"   "4705518"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 13:43
S88	9	("5112324").URPN.	USPAT	OR	OFF	2009/03/13 13:45
S89	41	("4917668"   "5104383"   "5127626"   "5180373"   "5197955"   "5209736"   "5209737"   "5242412"   "5304143"   "5308336"   "5342315"   "5350364"   "5354280"   "5380288"   "5388553"   "5391153"   "5391154"   "5407433"   "5411483"   "5443452"   "5485553"   "5492304"   "5496280"   "5542931"   "5545142"   "5549565"   "5584850"   "5603702"   "5628732"   "5634908"   "5693031"   "5709664"   "5752938"   "5782812"   "5792113"   "5803919"   "5827228"   "5871471"   "5895377"   "6083203"   "6093176").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:23
S90	7	("4978341"   "5127626"   "5180373"   "5201714"   "5312363"   "5330437"   "5391154").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:36

S91	61	( "2797837"   "3197173"   "3473779"   "3875938"   "3970089"   "3977400"   "4000739"   "4177814"   "4233982"   "4240411"   "4243034"   "4338934"   "4379458"   "4424833"   "4430081"   "4512766"   "4531937"   "4535773"   "4569502"   "4580573"   "4609300"   "4610665"   "4610674"   "4611785"   "4626245"   "4629450"   "4634432"   "4654030"   "4655752"   "4673393"   "4759751"   "4798594"   "4813938"   "4842591"   "4857062"   "4874377"   "4895346"   "4909798"   "4917668"   "4929235"   "4935010"   "4960259"   "4960412"   "4966588"   "4978341"   "5000745"   "5006114"   "5009391"   "5053014"   "5098393"   "5112321"   "5127626"   "5161773"   "5180373"   "5197955"   "5205831"   "5209737"   "5256150"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:41
S92	2	( "4723550"   "4842591"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:44
S93	61	("5209737").URPN.	USPAT	OR	OFF	2009/03/13 14:45
S94	87	( "0729423"   "2797837"   "3086797"   "3197173"   "3438607"   "3766916"   "3811440"   "3856010"   "3875938"   "3920215"   "3970089"   "3977400"   "3994287"   "4000739"   "4149535"   "4177814"   "4231400"   "4240411"   "4243034"   "4324239"   "4338933"   "4378013"   "4424833"   "4430081"   "4436519"   "4473369"   "4475548"   "4496348"   "4580573"   "4610665"   "4610674"   "4626245"   "4634421"   "4654030"   "4655752"   "4673393"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:50



		"4699356"   "4715360"   "4723550"   "4758225"   "4786028"   "4798594"   "4817631"   "4839471"   "4842591"   "4857062"   "4869717"   "4895346"   "4895565"   "4909798"   "4917668"   "4929235"   "4960259"   "4960412"   "4966588"   "4978341"   "5000745"   "5009391"   "5009643"   "5041095"   "5053014"   "5053016"   "5064416"   "5069424"   "5104383"   "5104389"   "5127626"   "5127909"   "5167636"   "5180373"   "5195980"   "5197955"   "5209737"   "5226891"   "5269771"   "5308336"   "5342315"   "5385553"   "5411483"   "5423848"   "5476475"   "5492304"). FN.				
S95	2	((("5209737") or ("5820600")).FN.	USPAT; USOCR	OR	OFF	2009/03/13 15:38
S96	2	((("5820600") or ("5209737")).FN.	USPAT; USOCR	OR	OFF	2009/09/02 15:26
S97	1	("20040215209").FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/02 15:50
S98	301	(277/605).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/03 14:40
S99	22	("4335283"   "4605272"   "4719658"   "4773198"   "4812624"   "4821474"   "4918887"   "4977018"   "5024032"   "5042337"   "5058469"   "5072558"   "5072952"   "5079879"   "5263291"   "5321220"   "5347777"   "5440842"   "5704771"   "5755065"   "5777274"   "5961265"). FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/03 14:59
S100	3	("6354596").URPN.	USPAT	OR	OFF	2009/09/03 15:01
S101	392	(277/607).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/03 15:03

S102	36	("0601794"   "0712194"   "1347880"   "1525136"   "1713775"   "1905919"   "3173699"   "3521657"   "3613936"   "3712631"   "3815748"   "4170365"   "4206783"   "4213619"   "4259988"   "4333499"   "4426095"   "4679595"   "4690414"   "4712811"   "4889166"   "4982529"   "5080137"   "5114162"   "5257791"   "5501472"   "5640988"   "6082925"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/03 17:26
S103	4	("6406216").URPN.	USPAT	OR	OFF	2009/09/03 17:28
S104	306	(277/609).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/03 17:37
S105	16	("2520089").URPN.	USPAT	OR	OFF	2009/09/03 17:41
S106	6	("2466263"   "3082022"   "3302953").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/03 17:44
S107	12	("3573873").URPN.	USPAT	OR	OFF	2009/09/03 17:45
S108	816	(277/616).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/03 18:00
S109	328	(251/1.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/04 14:08
S110	141	(251/1.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/04 14:16
S111	771	(251/212).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/04 14:33
S112	1	("1999699").URPN.	USPAT	OR	OFF	2009/09/04 14:42
S113	13	("1999699"   "2649272"   "3101736"   "4094492"   "4095514"   "4513948"   "5549086"   "5802716"   "5975493"   "5993978"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/04 14:45

SI14	8	("1986484"   "3329390"   "3366363"   "4292969"   "4540411").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/08 15:23
SI15	13	("2416391"   "2844351"   "3304934"   "3329390"   "3599637"   "4016879"   "4063555"   "4243034"   "4311137").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/08 15:23
SI16	56	("4540411").URPN.	USPAT	OR	OFF	2009/09/08 15:24
SI17	75	("5158553").URPN.	USPAT	OR	OFF	2009/09/08 15:29
SI18	100	((("6174309") or ("20020072713") or ("20040215209") or ("20090076506") or ("5285955") or ("6635072") or ("4509518") or ("4624254") or ("4938353") or ("5352223") or ("5366477") or ("5382254") or ("5395369") or ("5549606") or ("5590570") or ("5637108") or ("5695522") or ("5720756") or ("5725537") or ("5727428") or ("5891159") or ("5913874") or ("5964774") or ("6044628") or ("6099551") or ("6228083") or ("6451018") or ("6458130") or ("6473512") or ("6500176") or ("6533784") or ("6585735") or ("6626901") or ("6656177") or ("6682528") or ("6770072") or ("6802843") or ("6860880") or ("6905497") or ("6908463") or ("6913579") or	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/08 16:39

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("7101373") or  
("7118587") or  
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("7582087") or  
("20020115997") or  
("20020120266") or  
("20020169392") or  
("20020177848") or  
("20020188294") or  
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("20030199869") or  
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("20030212444") or  
("20030229344") or  
("20040073205") or  
("20040082952") or  
("20040087943") or  
("20040116924") or  
("20040122423") or

		("20040162557") or ("20040243125") or ("20040249371") or ("20040249374") or ("20050021027")).PN.				
S119	6	("2002/0072713").URPN.	USPAT	OR	OFF	2009/09/08 16:40
S120	6	((("5211370") or ("3920215") or ("5125915") or ("5820600") or ("20020072713") or ("20040010230")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/09 13:35
S121	2	((("5389081") or ("4513948")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/09 13:37
S122	73	("0729423"   "2797837"   "3086797"   "3197173"   "3438607"   "3766916"   "3788318"   "3811440"   "3856010"   "3875938"   "3920215"   "3970089"   "3977400"   "3994287"   "4000739"   "4149535"   "4177814"   "4202527"   "4231400"   "4240411"   "4243034"   "4324239"   "4378013"   "4424833"   "4430081"   "4436519"   "4473369"   "4475548"   "4496348"   "4580573"   "4610665"   "4610674"   "4626245"   "4634421"   "4654030"   "4655752"   "4673393"   "4723550"   "4786028"   "4798594"   "4817631"   "4839471"   "4842591"   "4869717"   "4874377"   "4884091"   "4895565"   "4909798"   "4917668"   "4929235"   "4943280"   "4960259"   "4960412"   "4978341"   "5000745"   "5009391"   "5009643"   "5041095"   "5053014"   "5053016"   "5104383"   "5104389"   "5127626"   "5127909"   "5197955"   "5211370"   "5211633"   "5221264"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/09 13:45

S123	27	("5389081").URPN.	USPAT	OR	OFF	2009/09/09 13:56
S124	0	("2007/0093851").URPN.	USPAT	OR	OFF	2009/09/09 14:01
S125	0	("3920215"   "5603702"   "5820600").PN.).PN.	USPAT; USOCR	OR	OFF	2009/09/09 14:01
S126	3	("3920215"   "5603702"   "5820600").PN.	USPAT	OR	OFF	2009/09/09 14:01
S127	4	((("5820600") or ("7025747") or ("5634908") or ("4513948"))).PN.	USPAT; USOCR	OR	OFF	2009/09/09 16:53

9/ 9/ 2009 7:17:56 PM

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